

Idaho State University (ISU) Infrastructure Improvement for Nuclear Engineering and Health Physics Laboratory Instrumentation

Executive Summary

The objectives of the project are: 1) Overall, to strengthen the health physics and nuclear engineering infrastructure at Idaho State University (ISU), 2) specifically, to purchase much needed radiation detection laboratory equipment and instrumentation for laboratory courses, 3) specifically, to purchase a limited amount of radiation detection laboratory equipment and instrumentation to be housed at the Center for Advanced Energy Studies (CAES) building for use by ISU, University of Idaho, and Boise State University faculty and students, and 4) specifically, to provide training and education in radiation detection of students and researchers. The work proposed here will improve the educational infrastructure at ISU, which possesses some of the largest undergraduate and graduate health physics and nuclear engineering programs in the country, thereby assisting in improving the quality and quantity of future nuclear engineers and health physicists in the United States. In addition, education and training will be extended to students, faculty, and researchers at the University of Idaho, Boise State University, and Idaho National Laboratory through the CAES collaboration.

Principal Investigator: Jason T. Harris, harris@physics.isu.edu